

FIG. 1

NUMBER OF CONNECTION POINTS	WIRE RESISTANCE VALUE	WIRE CAPACITANCE VALUE
2	10	100
3	20	150
4	50	260
5	80	350
6	100	500
:	:	:
:	:	:

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FIG. 2

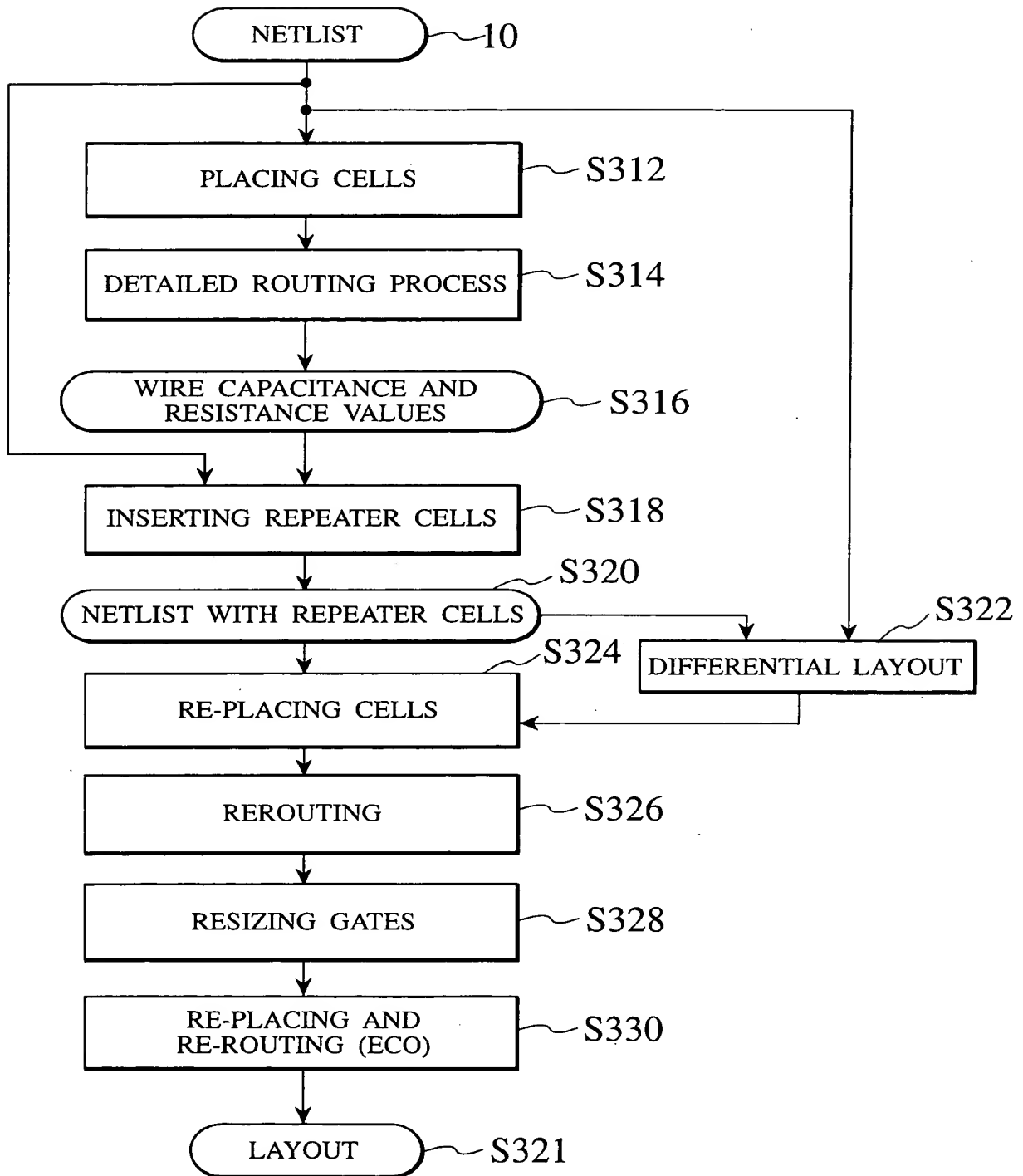


FIG. 3

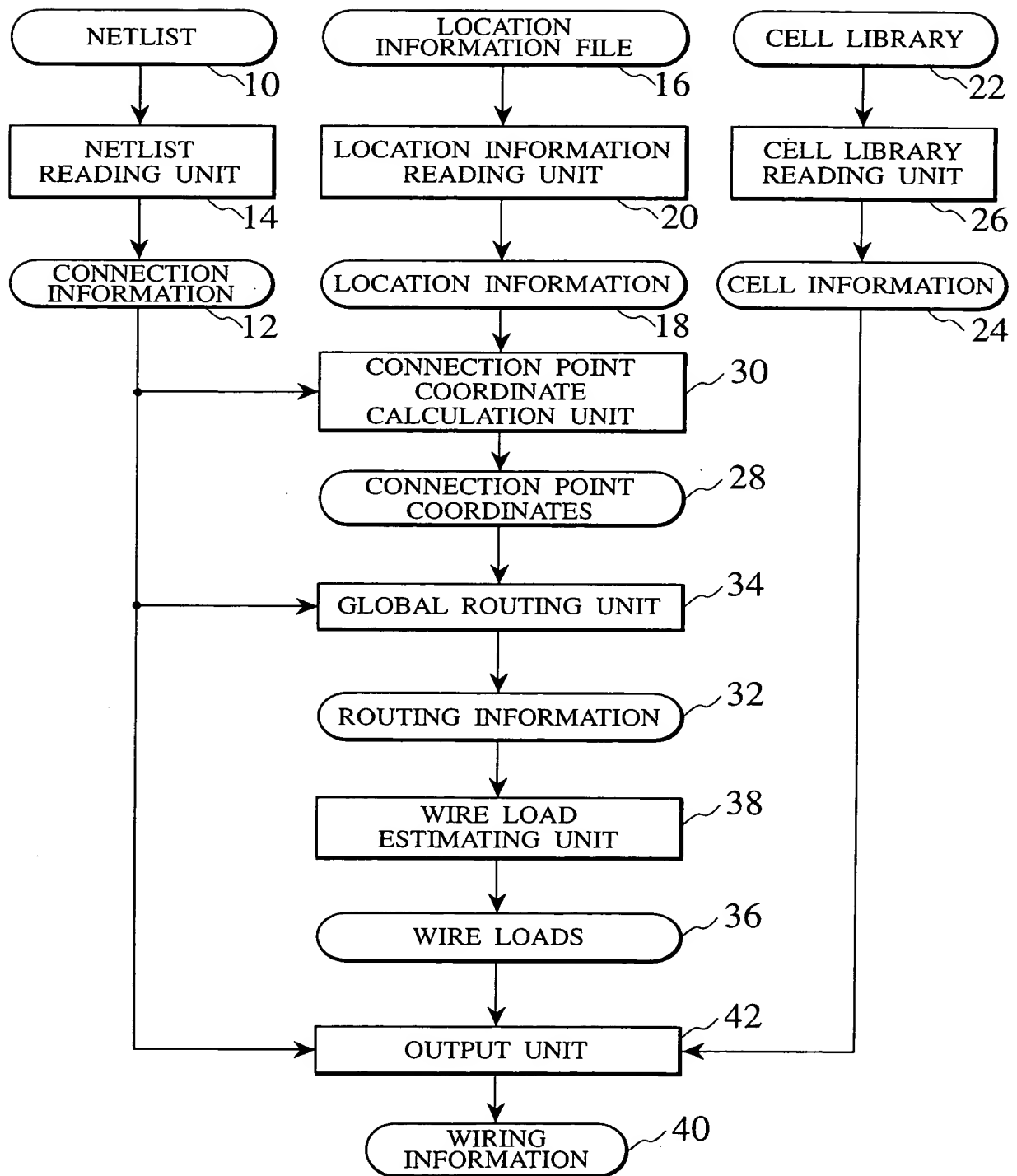


FIG. 4

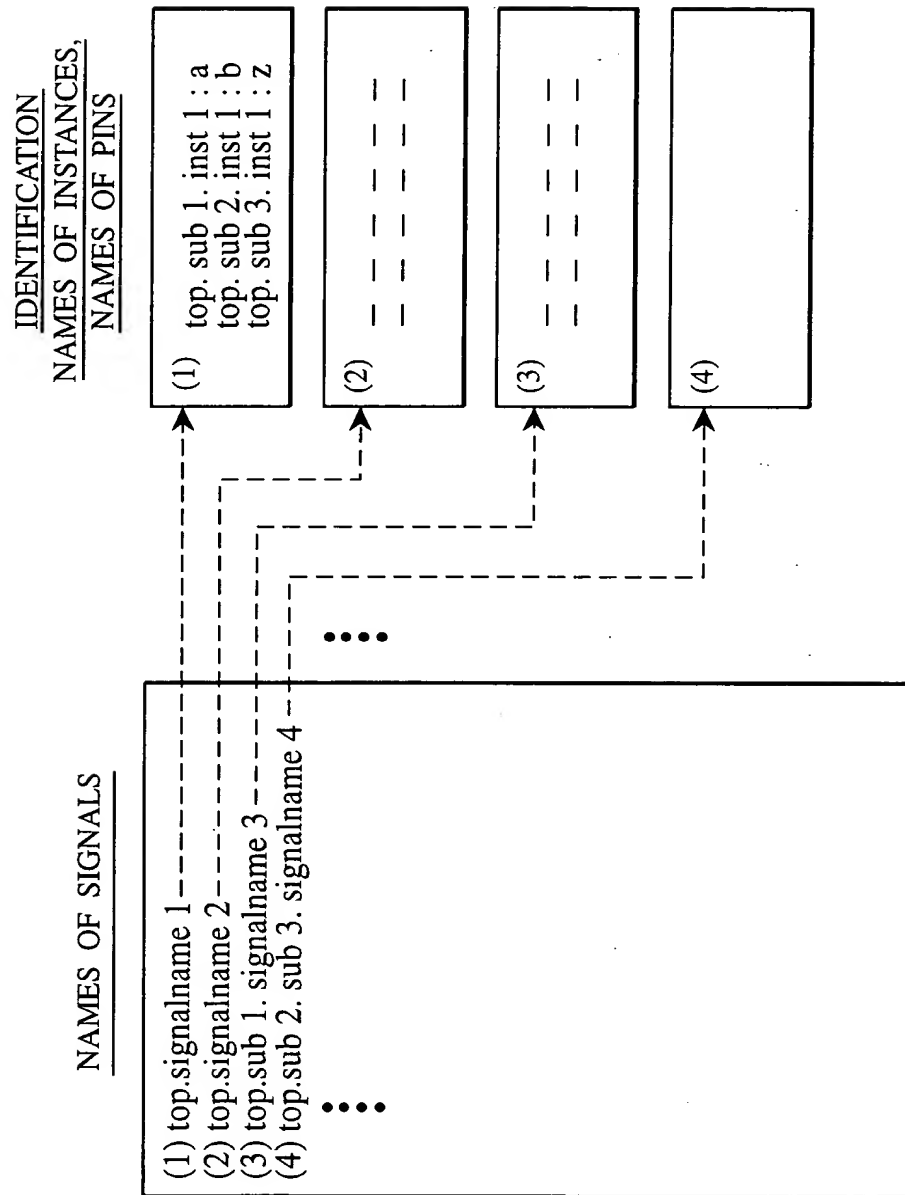


FIG. 5

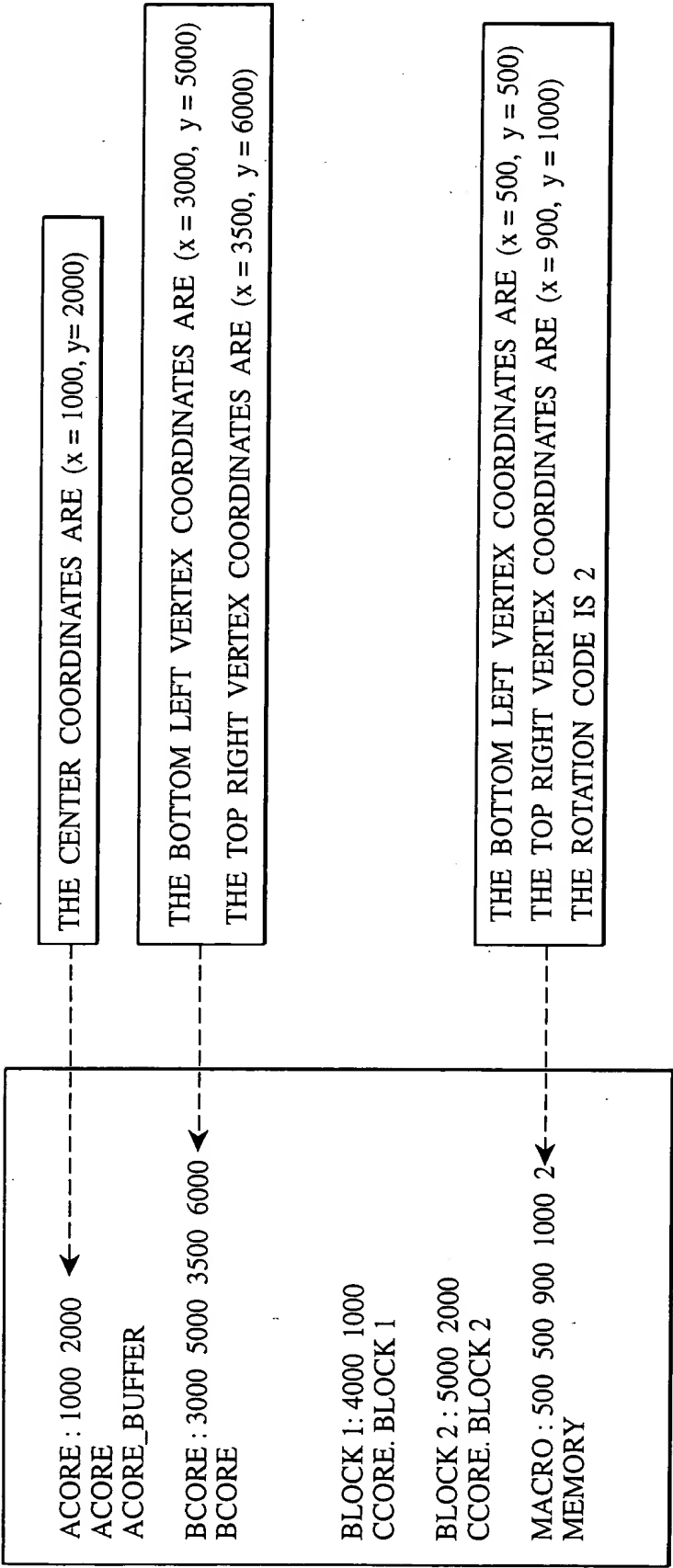


FIG. 7

- 0: NO ROTATION
- 2: ROTATION OF 90 DEGREES IN THE LEFT DIRECTION
- 4: ROTATION OF 180 DEGREES
- 6: ROTATION OF 90 DEGREES IN THE RIGHT DIRECTION
- 12: MIRROR-IMAGING AROUND THE x-DIRECTION
- 8: MIRROR-IMAGING AROUND THE y-DIRECTION
- 10: MIRROR-IMAGING AROUND THE x-DIRECTION
FOLLOWED BY ROTATION OF 90 DEGREES IN THE LEFT DIRECTION
- 14: MIRROR-IMAGING AROUND THE x-DIRECTION
FOLLOWED BY ROTATION OF 90 DEGREES IN THE RIGHT DIRECTION

NAME OF BLOCK	NAME OF PIN	x-COORDINATE AND y-COORDINATE	
MEMORY 1	A0	100	0
MEMORY 1	A1	200	0
MEMORY 1	A2	300	0
⋮			
MEMORY 2	A0	0	100
MEMORY 2	A1	0	200

FIG. 8

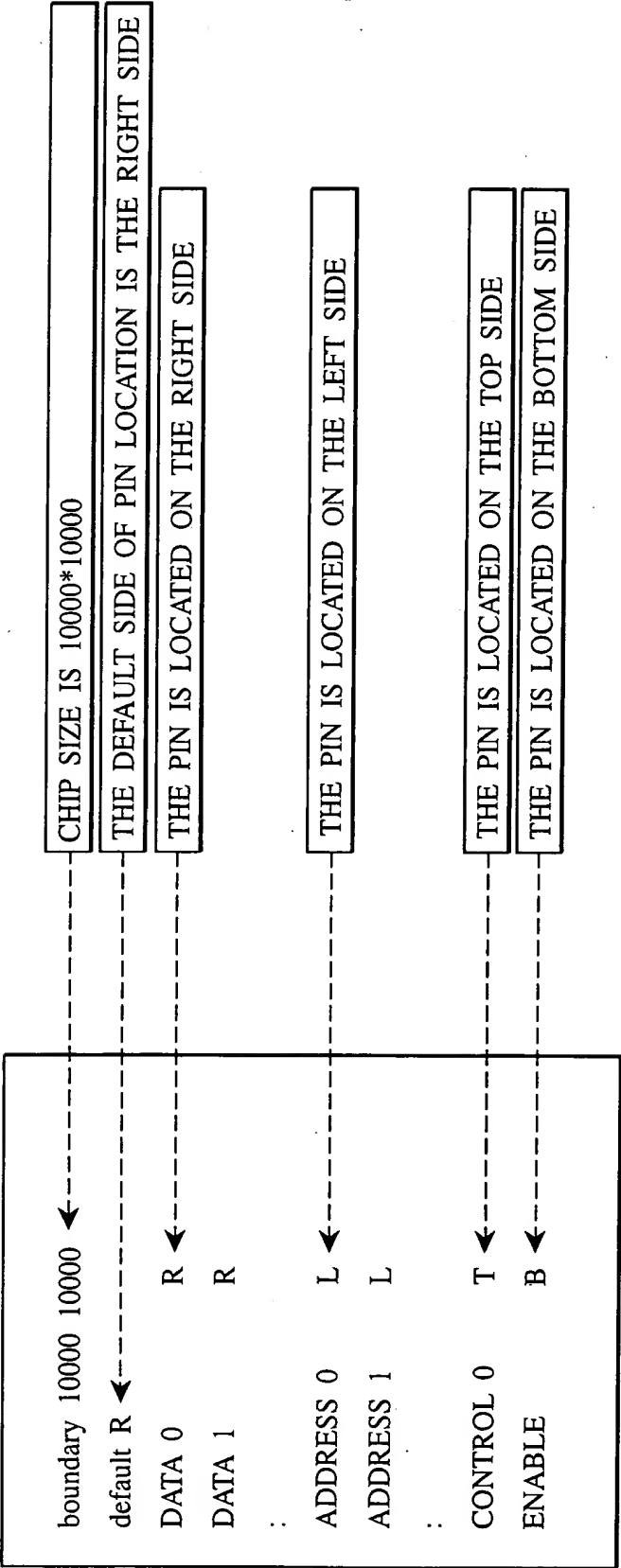


FIG. 9

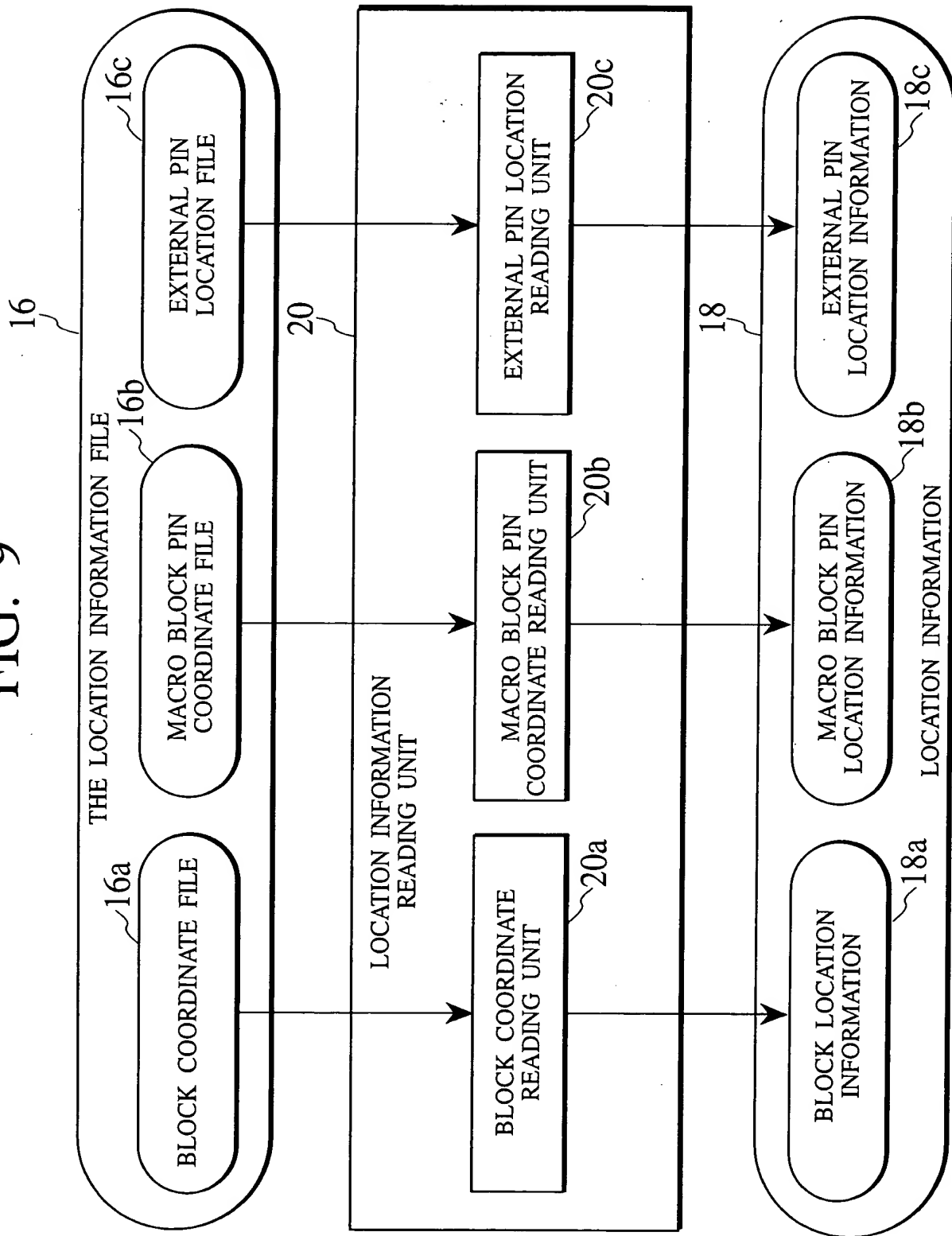
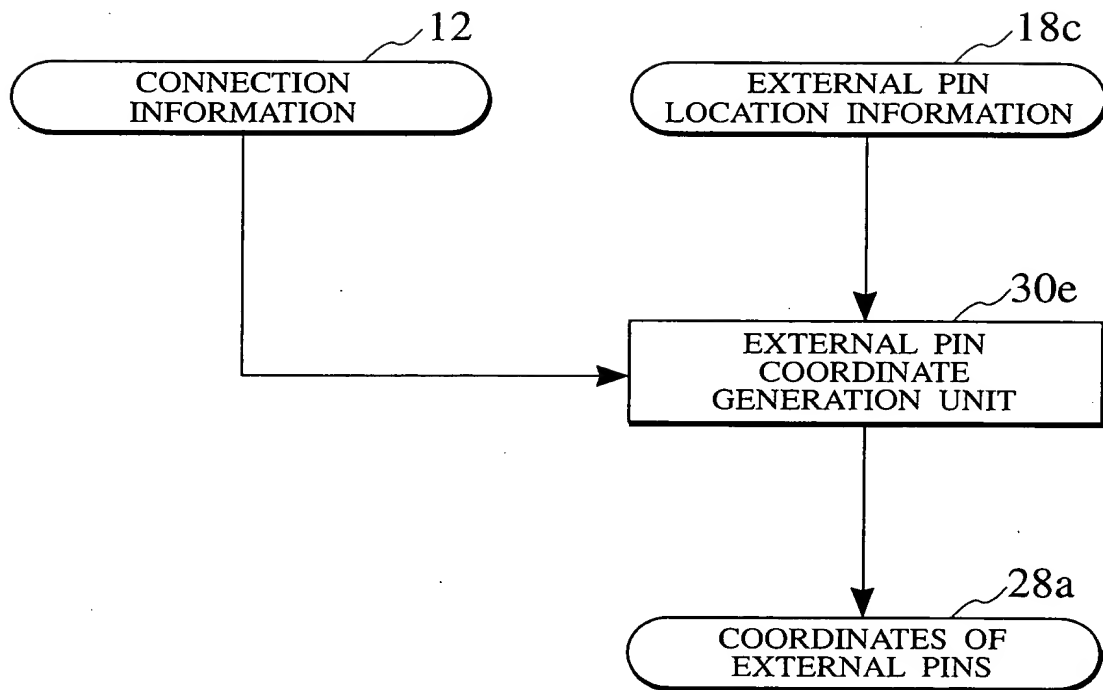
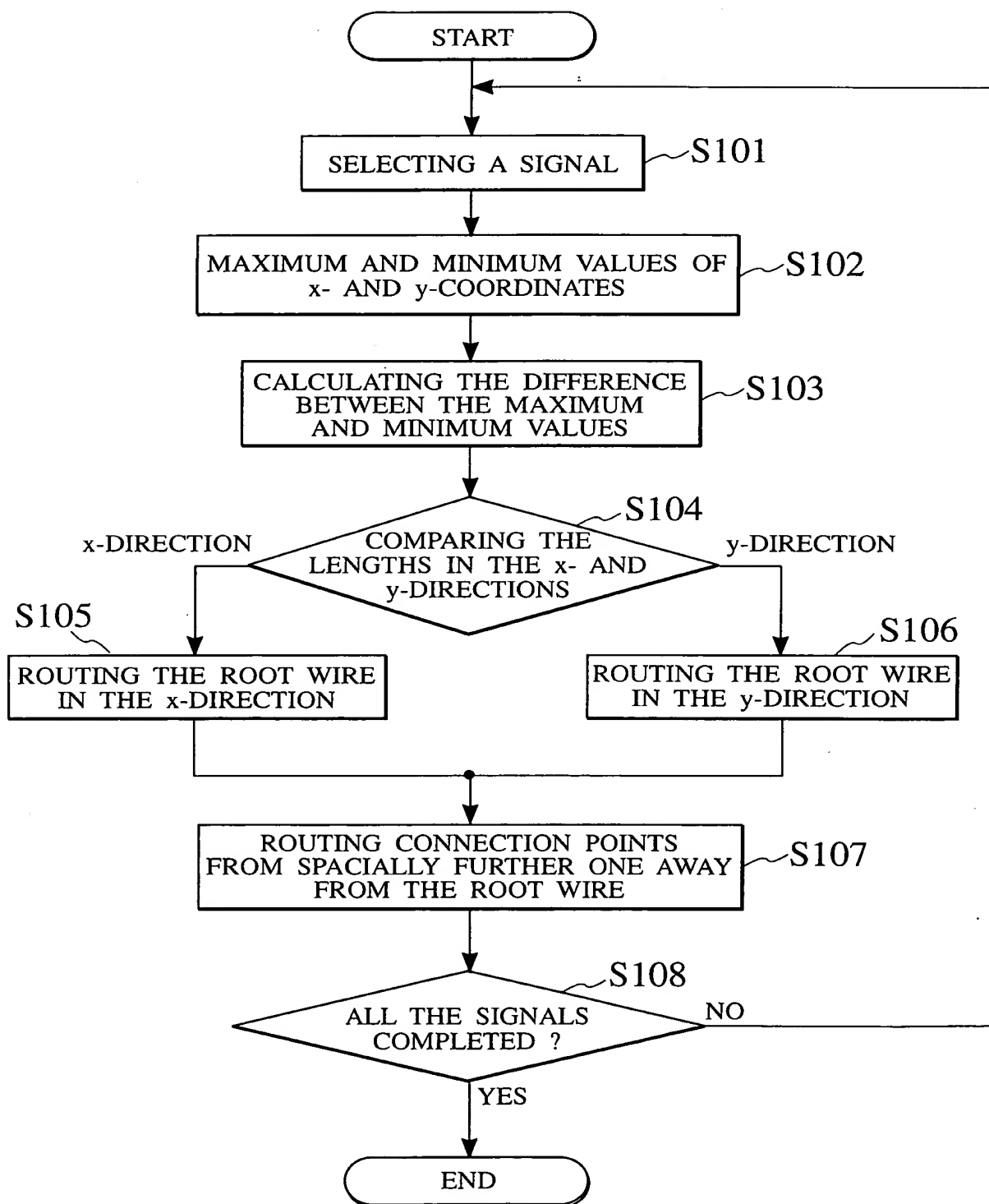


FIG. 11



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FIG. 12



004221-1068460

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FIG. 13A

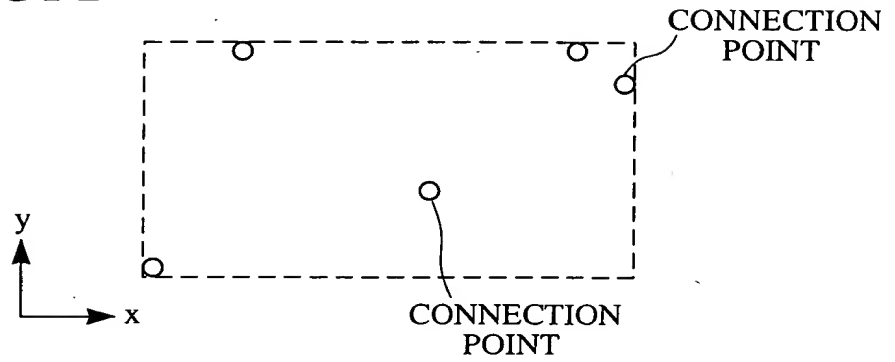


FIG. 13B

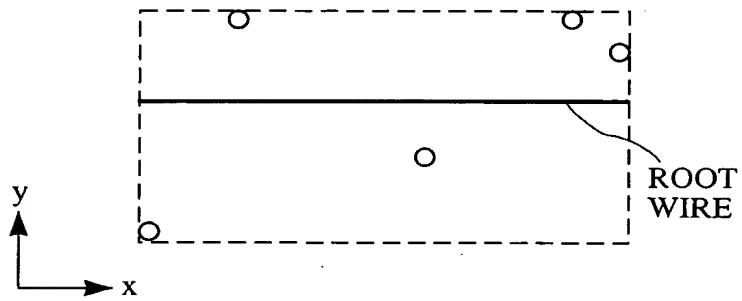
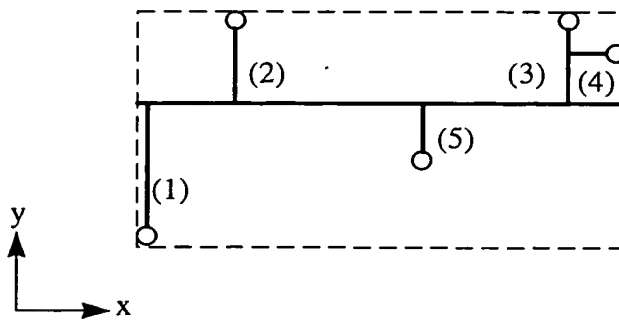


FIG. 13C



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NAME OF CAPACITANCE	SIGNAL	CAPACITANCE VALUE
* NET DATAOUT_4_0.742980PE		
CONNECTION POINT	CONNECTION	VALUE
NODE	POINT	VALUE
* 1 (LITE_255.M10 : A LITE_255.M10 A 0.013360PF -197917 -750000)		
* 1 (LITE_255.M4 : A LITE_255.M4 A 0.044753PF -197917 -750000)		
* 1 (SAM_HOS_TOP:HOS_HS.HSDAT_reg_4_:Q SAM_HOS_TOP:HOS_HS.HSDAT_reg_4_Q O 0.000000PF -190740 -328505)		
Cg1_30 N138_281_5 0 8.700e-15		
Cg2_30 N138_282_127 0 9.744e-14		
Cg3_30 N138_282_155 0 9.744e-14		
Cg4_30 N138_282_183 0 9.744e-14		
Cg5_30 N138_282_211 0 5.923e-14		
Cg6_30 N138_282_37 0 9.744e-14		
Cg7_30 N138_282_65 0 9.744e-14		
Cg8_30 N138_282_9 0 5.742e-14		
Cg9_30 N138_282_93 0 5.916e-14		
Cg10_30 N138_282_99 5 0.916e-14		
Cg11_30 SAM_HOS_TOP:HOS_HS.HSDAT_reg_4_:Q 0 1.211e-14		
R1_30 LITE_255.M10:A N138_281_5 0.100		
R2_30 LITE_255.M4:A N138_281_5 0.100		
R3_30 SAM_HOS_TOP:HOS_HS.HSDAT_reg_4_:Q N138_282_211 16.300		
R4_30 N138_282_211 N138_282_183 75.600		
R5_30 N138_282_183 N138_282_155 75.600		
R6_30 N138_282_155 N138_282_127 75.600		
R7_30 N138_282_127 N138_282_99 75.600		
R8_30 N138_282_99 N138_282_93 16.200		
R9_30 N138_282_93 N138_282_65 75.600		
R10_30 N138_282_65 N138_282_37 75.600		
R11_30 N138_282_37 N138_282_9 75.600		
R12_30 N138_282_9 N138_281_5 13.500		
<===WIRE RESISTANCE VALUE		

FIG. 15

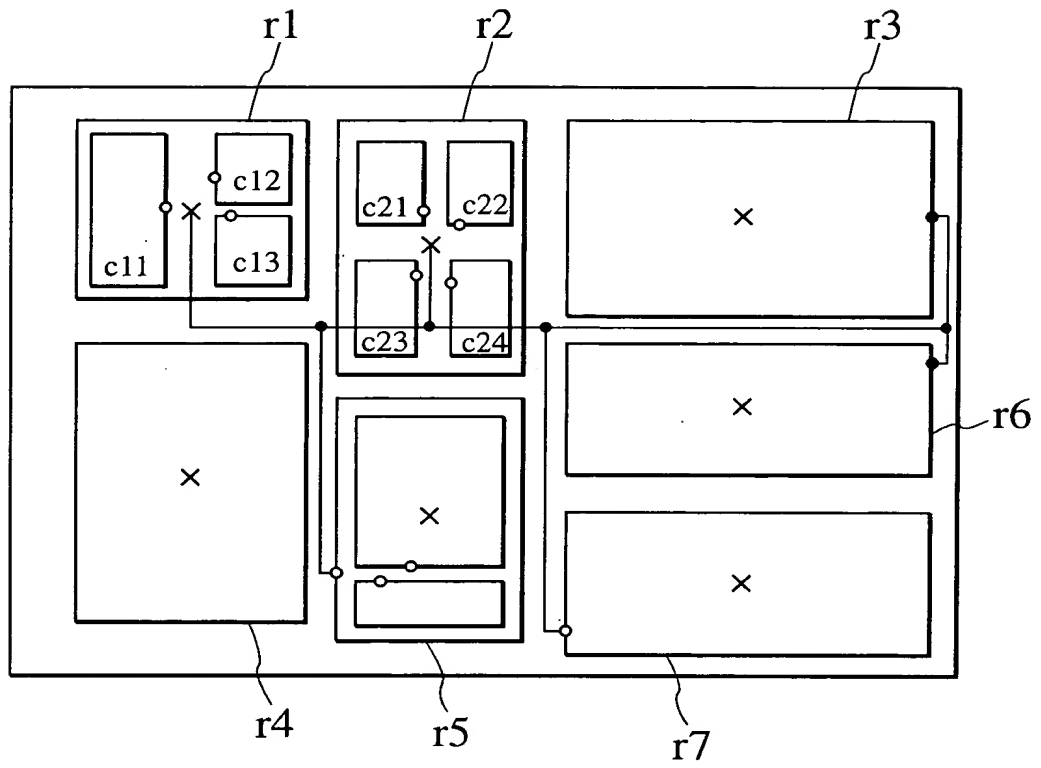


FIG. 17A

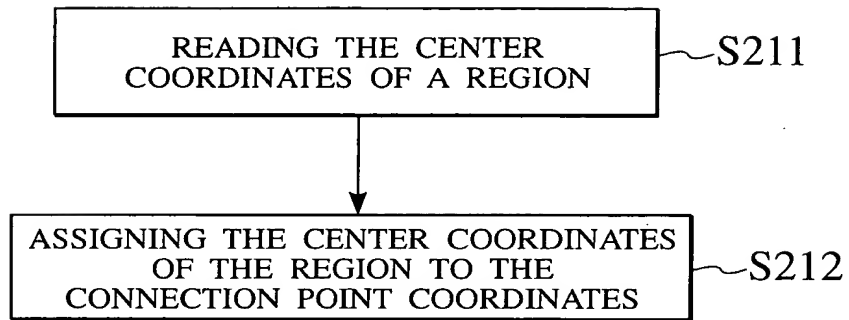


FIG. 17B

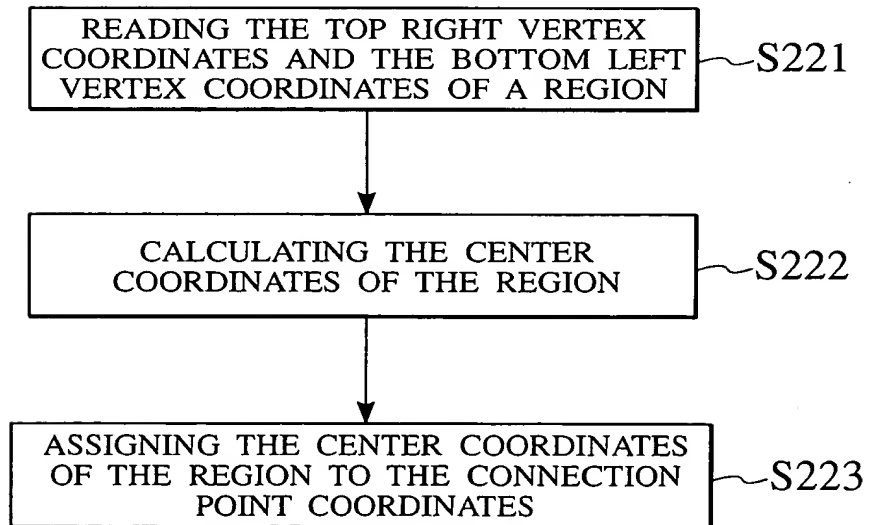


FIG. 18A

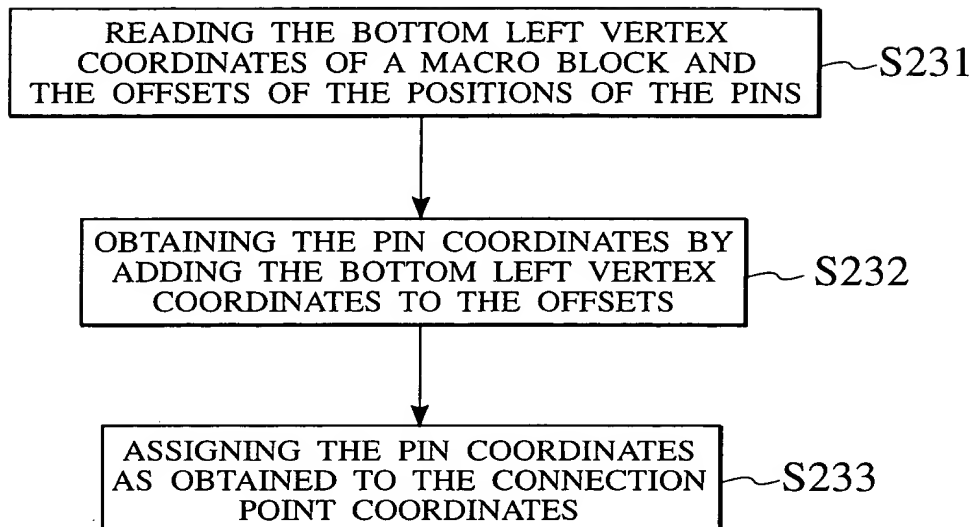


FIG. 18B

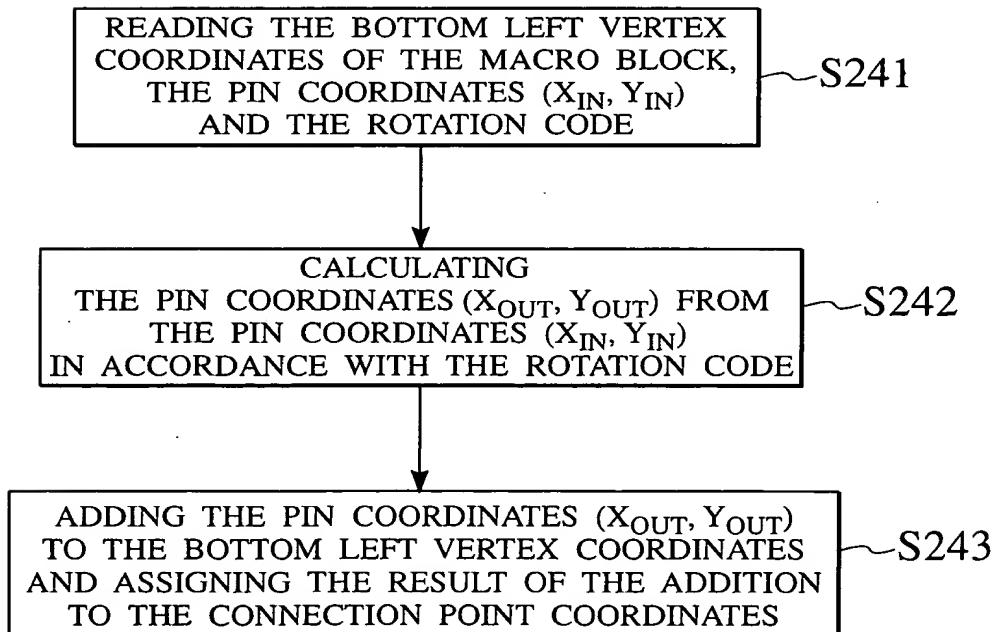


FIG. 19

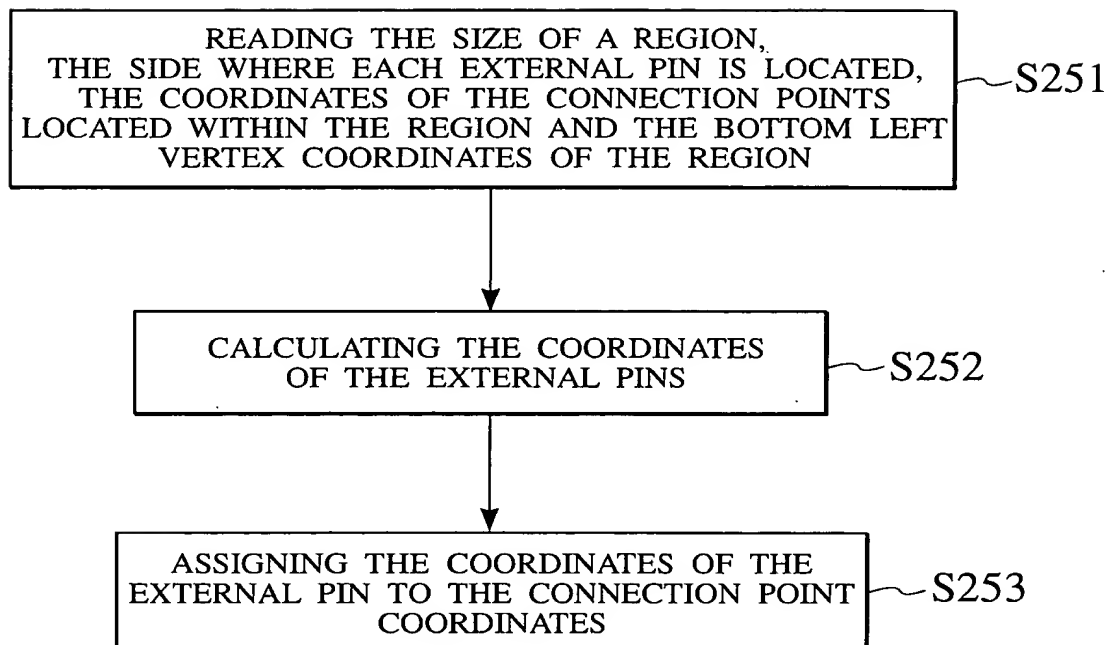


FIG. 20

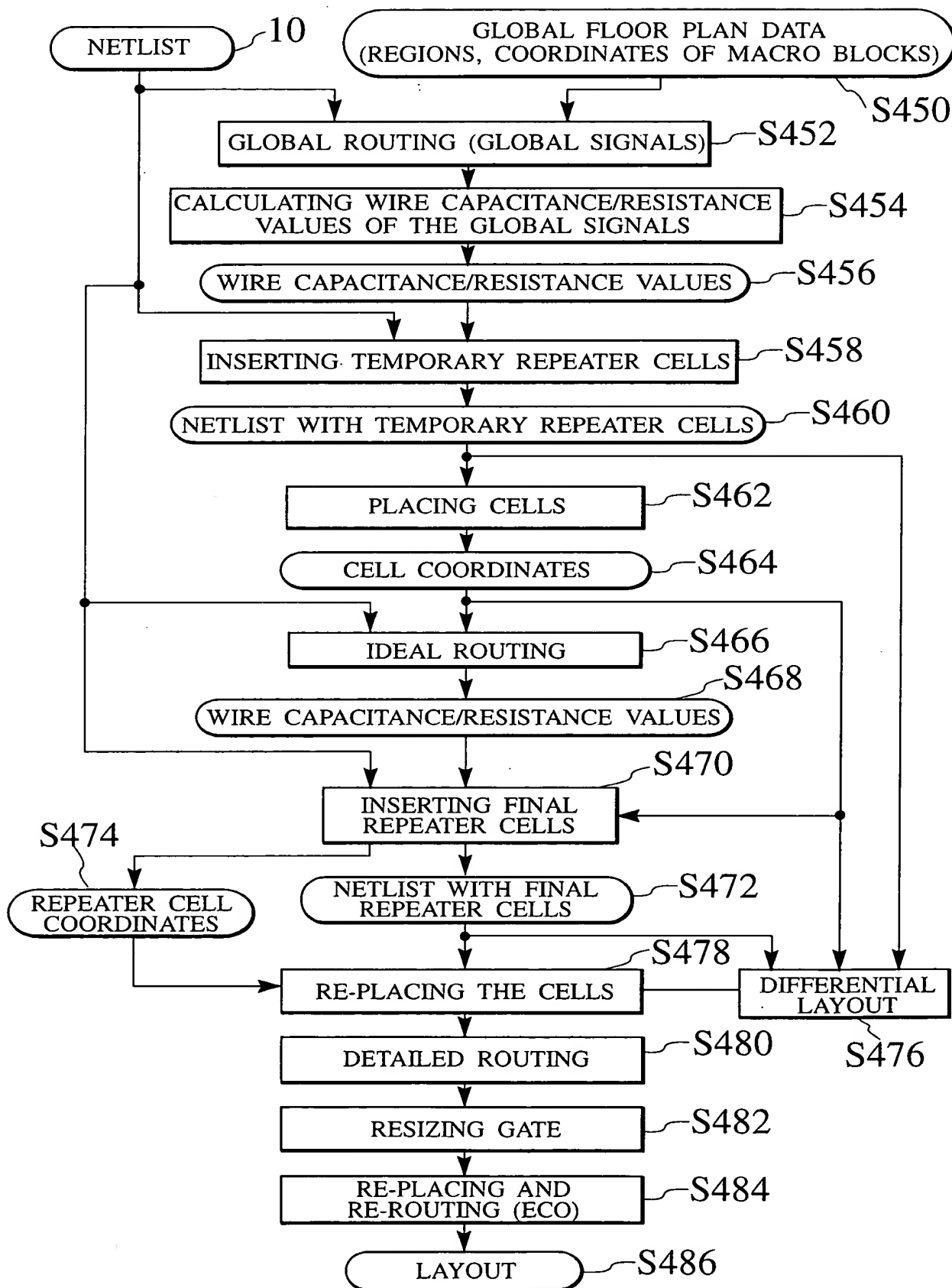


FIG. 21

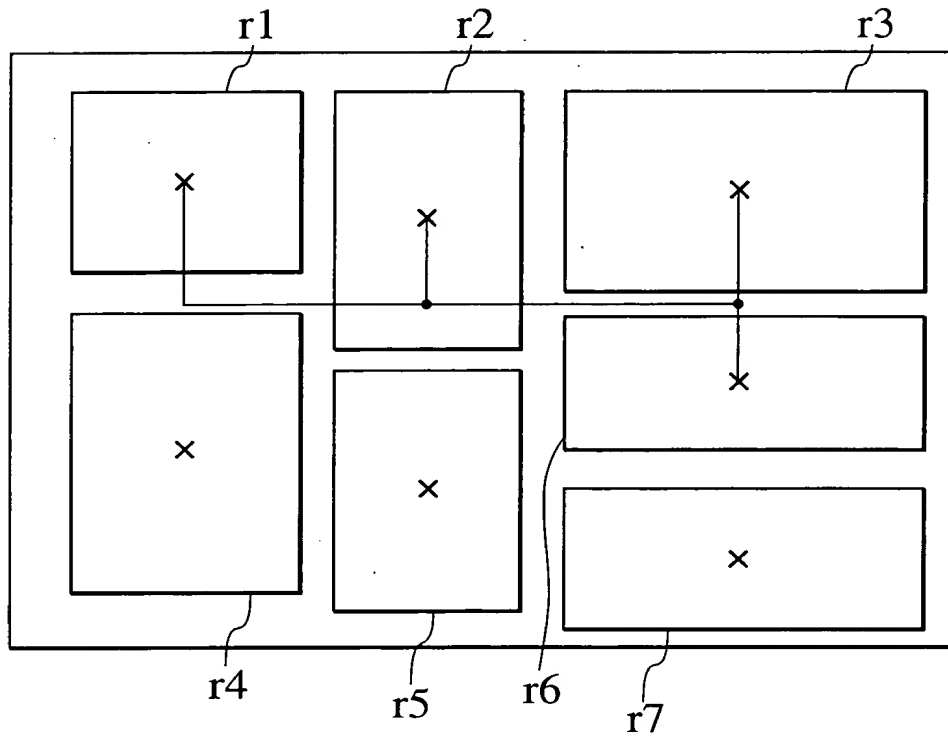


FIG. 22

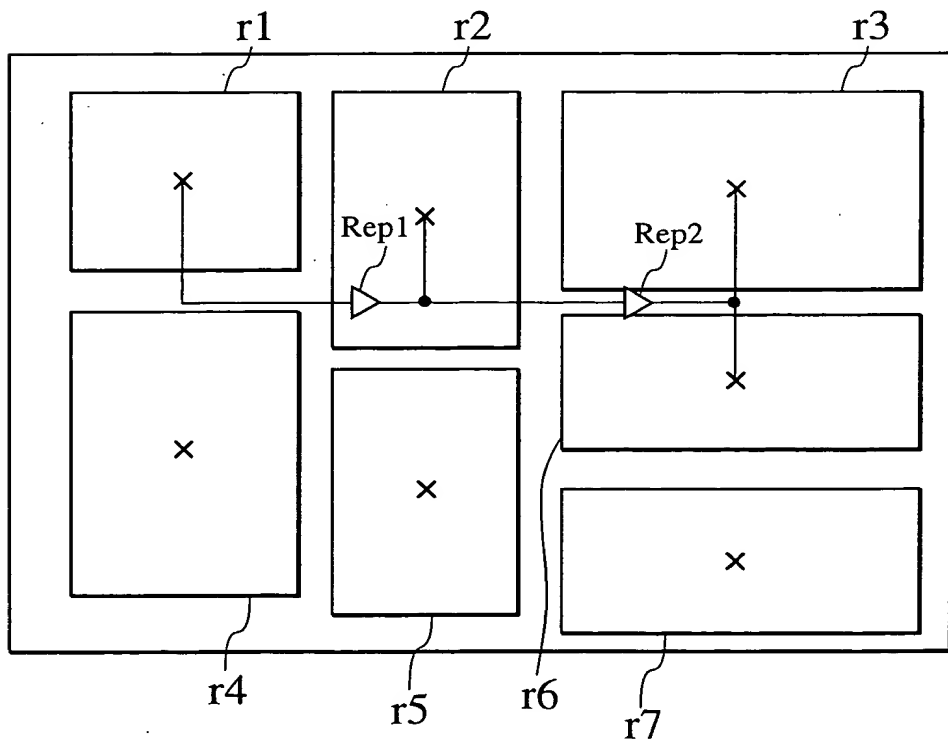


FIG. 24

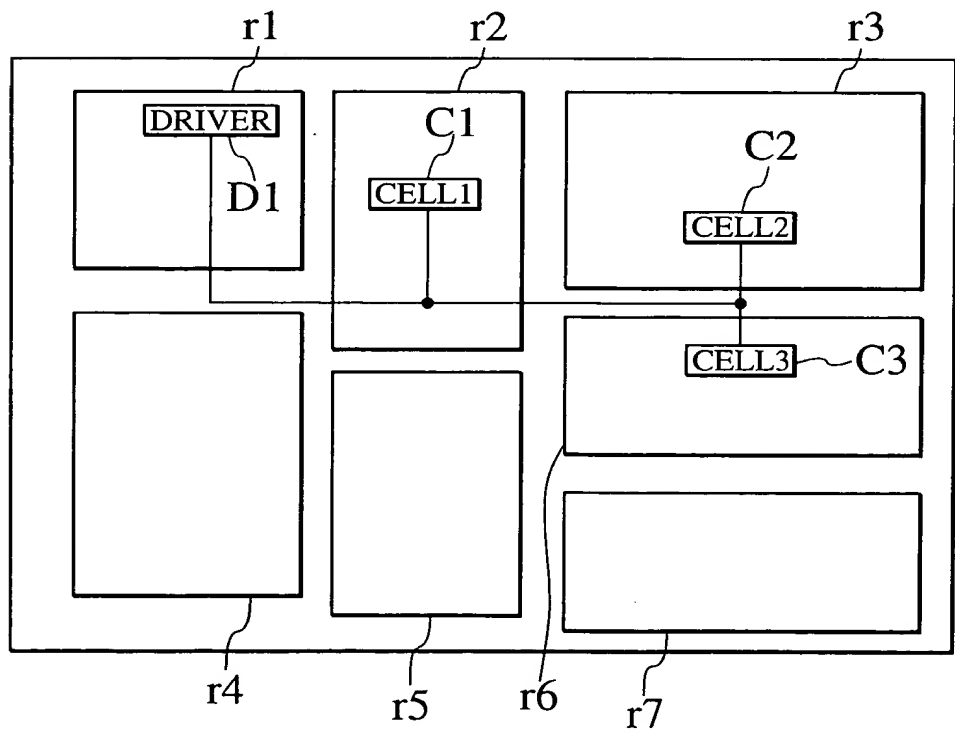


FIG. 25

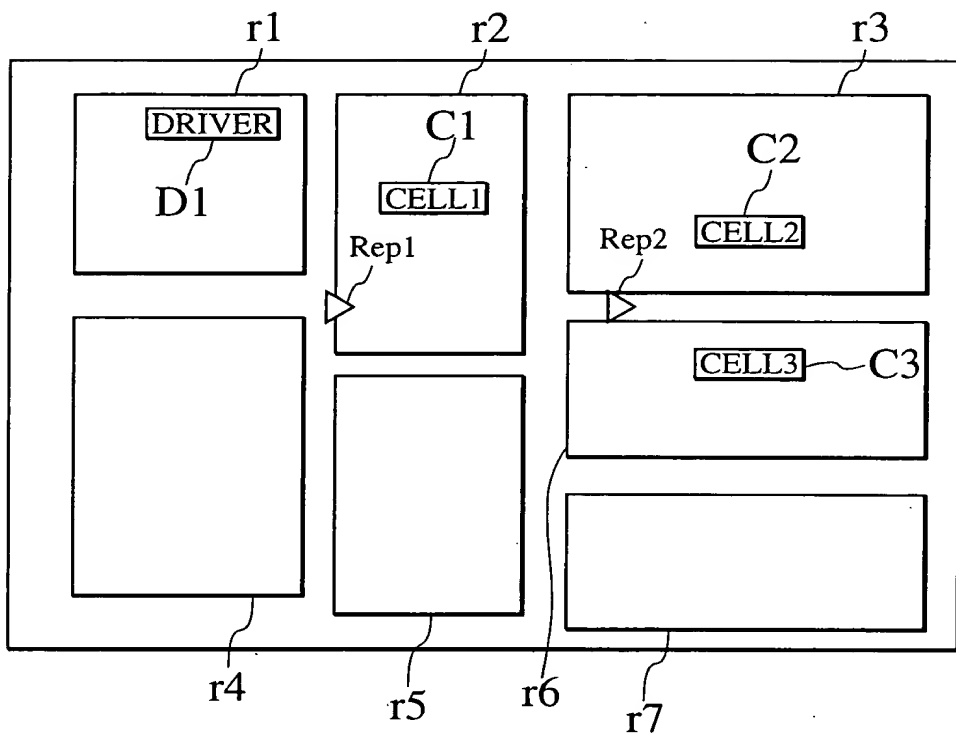


FIG. 26

